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**SPECIFICATIONS**

UNIQUE ELASTOMERIC SURFACING SOLUTIONS

**CLASS "B" DECK OVERLAY ON PLYWOOD**

ICBO Acceptance Criteria for Walking Decks AC 39 and UBC Standard 15-2

These testing methods are essentially the same as specified in ATM 108, UL 790 and NFPA No. 256

<p>I. <b>SCOPE:</b> This specification covers information for materials, labor and equipment necessary for the preparation of the Class "A" Deck Overlay on Plywood. It also outlines installations which comply with industry standards and should be installed by a contractor authorized by a <b>Dura-System™</b> Distributor and/or its Trained Representative.</p> <p>II. <b>MATERIALS:</b> All materials to be installed shall be manufactured and purchased from Silvertree Products, LLC or approved distributors. The following is a list of items needed for the Class "A" Deck Overlay on Plywood.</p> <p><b>Primer:</b> All <b>Dura-System™</b> Primers may be used for all Deck Overlay applications (new or old).</p> <p><b>Joint Tape:</b> 4" Fiberglass "Straight Jacket" tape. Use for joints, cracks and transitions.</p> <p><b>Base Membrane Matrix:</b> <b>Dura-Lastic™</b> Resin Binder ("<b>SOFT</b>" or "<b>TUFF</b>") depending on usage). *Note Refer to individual Technical Buletins on each product for usage.</p> <p><b>Base Membrane Filler:</b> Approved selected rubber granules or sand. (OPTIONAL: Fine ground rubber or sand, up to equal parts, may be added for thickener and/or sloping.)</p> <p><b>Surface Texture:</b> Only an approved selected aggregate sand or colored quart sand (6.5 Moh minimum hardness) will be used in this Class "A" system.</p> <p><b>Surface Finish:</b> The <b>Dura-Flex™</b> "AR." Colorcoat. 1st coat , 2nd coat "AL". *Note: Refer to <b>Dura-Flex™</b> Technical Bulletins on each product for maximum performance.</p>	<p>III <b>PREPARATION:</b>        All surfaces shall be completed, clean, and free from structural defects. All Flashing details shall be properly prepared and ready for completion.</p> <p><b>A. Plywood:</b> Plywood should be finished sideup and free of blemishes, 3/4" ACX (for optimum performance). CDX is acceptable, though extensive patching is usually required. Be aware of (1) hollow areas between plys. (2) Wet or green plywood, it will shrink and could cause some or all seams to split. (3) Always vent decks (from sides or underneath) to relieve surface pressure.</p> <ol style="list-style-type: none"> <li>1. Floor joist must be set at minimum of 16" o.c. for 3/4" plywood. All joints and ends must be blocked.</li> <li>2. Sheeting must be fastened with ring-shank, screw nails, or deck screws at max. 6" o.c. (Glue optional)</li> <li>3. A 1/8" space should be left between seam joints to allow for movement and material to flow into joint, then cover with "Tuff Tape". If plywood is installed tight, saw cut a 1/8" wide and 2 ply deep groove, fill with RBC and cover with "Tuff Tape".</li> </ol> <p><b>B. Flashing Metal and General Surface Prep:</b></p> <ol style="list-style-type: none"> <li>1. <b>Primer:</b> A thin coat of Primer can be applied if plywood is damp or green. (Optional).</li> <li>2. <b>Metal:</b> Metal flashings should be etched with acid, white vinegar or rough, sanded, then wiped clean and dry. Apply Primer at a rate of 300 sq.ft. per gallon. Wait until tacky, apply the fiberglass tape and the <b>Dura-Lastic™</b> base.</li> <li>3. <b>Depressions and other irregularities:</b> fill all irregularities with a <b>Dura-Lastic™</b> mixture that has been thickened with Gel™ or fine rubber granules to a "stay-put" consistency.</li> <li>4. <b>Joints, Cracks and Transition:</b> Fiberglass tape must be set in the <b>Dura-Lastic</b> base. Tape should be free of air, blisters, or wrinkles. Center tape over subject areas.</li> </ol>	<p>IV. <b>INSTALLATION:</b>  <b>A Base Membrane:</b></p> <ol style="list-style-type: none"> <li>1. Detail all flashings, edges and turn ups with thickened base mixture and Fiber-glass tape. Feather to smooth demarcations.</li> <li>2. Apply a uniform coating of <b>Dura-Lastic Membrane Mixture</b> over the entire surface at the minimum rate of 4 gallons per 100 sq. ft. equalling (65 mils) of membrane. (*3 1/4 gallons of <b>Dura-Lastic.</b> plus 3 quarts [25%] of water equals 4 gallons of <b>Membrane Mixture</b>) carrying this mixture over the detailed areas.</li> <li>3. After a second thin "tac" coat of <b>Dura-Lastic</b> base, at the rate of 1 gallon per 100 sq. ft. (3/4 gallon <b>Dura-Lastic</b> and 1/4 gallon water). Let stand until membrane has slightly jelled. Then broadcast the specified sand texture until refusal.</li> <li>4. When membrane will accept foot traffic, remove all excess texture with broom or vacuum. Make any repairs necessary to imperfections or defects. Let repairs cure.</li> </ol> <p><b>B. Finish Coat: First Coat</b> - Mix the 5 gallons of Standard "AR" colorcoat. Mix for 3 minutes at low RPM. Uniformly coat the entire textured surface with the <b>Dura-Flex™</b> "AR" at a rate of 1 gallon per 200 sq.ft. Allow to cure, to accept foot traffic. <b>Second Coat</b> - Coat the entire surface with standard <b>Dra-Flex™ AL</b> Colorcoat at a rate of 1 gallon per 133 sq.ft. Take care to apply each coat uniformly to assure a streak free surface *Note: Refer to <b>Dura-Flex</b> Technical Buletins.</p> <p>V. <b>WARRANTY:</b> Except for specifically designated and overseen jobs, warranties are limited to those which are standard with the application contractor, who has total control over substrate bonding and <b>Dura-System</b> application integrity.</p>
<p>All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are to guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on one's own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his/her use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.</p> <p style="text-align: center;"><b>THIS PUBLICATION SUPERSEDES ALL OTHERS</b></p> <p style="text-align: right;">CLASS "B" PLYWOOD.SPEC. JAN 2009</p>		

